Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/17/2017 11:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124424	-1	1.21	124329	1.16
Blue	F	SSC	125000	123548	-2	2.36	123952	2.14
Blue	E	FITC	23795	22921	-4	2.32	1011	10.6
Blue	D	PE	29673	29381	-1	1.88	1048	10.05
Blue	B	PerCP-Cy5-5	48943	48156	-2	3.34	1384	17.18
Blue	A	PE-Cy7	44112	43380	-2	5.88	676	38.07
Red	C	APC	54273	53395	-2	2.67	3049	9.6
Red	A	APC-Cy7	54945	54072	-2	4.93	1104	12.95
Violet	B	V450	15756	15058	-5	3.09	710	8.68
Violet	A	V500	62569	60967	-3	2.87	2680	5.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19790	3.12	610	-4	N/A	N/A	Pass
Blue	F	SSC	61384	1.38	545	-1	N/A	N/A	Pass
Blue	E	FITC	115	42.12	548	-2	0.02	318	Pass
Blue	D	PE	230	29.65	546	0	0.1518	237	Pass
Blue	B	PerCP-Cy5-5	218	49.12	639	0	0.0101	253	Pass
Blue	A	PE-Cy7	73	137.67	700	1	0.0105	35	Pass
Red	C	APC	361	28.24	601	1	0.0197	83	Pass
Red	A	APC-Cy7	121	44.76	586	2	0.0044	1472	Pass
Violet	B	V450	80	47.38	475	3	0.0503	2415	Pass
Violet	A	V500	191	27.07	503	4	0.016	1823	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.91	-31.41	0.83
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.17	13.27 - 19.91	N/A	N/A	31.57	31.99	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9749

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments